

COOLING SYSTEM FOR SHELF UNIT

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PROBLEM TO BE SOLVED: To improve efficiency of heat radiation of heating parts in an enclosed housing without loss of manufacturability and maintainability.

SOLUTION: A cooling system for cooling a shelf unit 6 contained in an enclosed housing of a device. The system comprises the shelf 6 on an upper board of which multiple openings are formed, a back board provided with multiple connectors and mounted on the back of the shelf 6, connectors to be fitted by plug-in respectively with the connectors on the back board, multiple printed wiring board units 10 to be mounted in an upright position on the shelf 6 provided with heating parts and a heat block 52 fixed on the upper edge, and a mechanism for shelf up-and-down movement. The shelf 6 on which the multiple printed wiring board units 10 are mounted in an upright position is moved upward by the mechanism for shelf up-and-down movement. The heat block 52 on each of the printed wiring board units 10 are caused to be in contact with the inner surface of the enclosed housing through the openings in the shelf and to radiate heat.

